

ABSTRACT

An electrode-less discharge lamp lighting apparatus which is electrically connected to a dimming unit (2) is provided with: an electrode-less fluorescent lamp (3); and a lighting circuit (4) operable to apply a high-frequency voltage to the electrode-less fluorescent lamp(3), wherein the lighting circuit (4) includes: an AC/DC converting unit (5) operable to convert a phase-controlled AC voltage outputted from the dimming unit (2) into a DC voltage; a DC/AC converting unit (6) operable to convert the DC voltage into a high-frequency voltage; and a dimming controlling unit (7) that includes a resistor (29), a switching element (28), and a timer circuit (27) so as to detect a timing of a turn-on of the phase-controlled AC voltage and to, based on the detected timing, allow a current whose value is at least a threshold to flow across output terminals of the AC/DC converting unit (5) for at least a duration of a time lag between the turn-on of the phase-controlled AC voltage and the generation of the high-frequency voltage by the DC/AC converting unit (6).

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